

Claims

What is claimed is:

1. A low complexity and effective silence detection technique based on an intelligent determination of adaptive threshold value to enable real-time audio/video conferencing comprising:
 - a) means (framing of speech) to best measure the most important portion of uttered speech;
 - b) means (adaptive threshold determination) to adaptively update the silence threshold value by incorporating the new background signal magnitude.
2. The system of Claim 1 further comprises techniques to low pass the speech signal so as to remove the less influential high-frequency component of speech for an effective calculation of speech magnitude.
3. The system of Claim 1 further comprises techniques to remove the DC component of the speech signal, which is commonly microphone dependent, for an effective calculation of speech magnitude.
4. The system of Claim 1 further comprises techniques to effectively measure the potential presence of speech by measuring the temporal variation of calculated speech magnitude.
5. The system of Claim 1 further comprises techniques to update the silence threshold value by incorporating the temporal variations of speech magnitude.